## MISSOURI ARTHRITIS AND OSTEOPOROSIS PROGRAM





## Hospitalizations in Missouri among those with Osteoarthritis and Rheumatoid Arthritis/Related Diseases from 1993-2003

he rate of hospitalizations for osteoarthritis (OA) has seen a consistent increase over the eleven-year span. The increase was statistically significant every year except from 1997 to 1998 and 1998 to 1999 (Figure 1). In contrast, the hospitalization rate for rheumatoid arthritis (RA)/related diseases remained fairly stable (Figure 1).

The rate of hospitalizations for OA is statistically higher among Whites (17.4 per 10,000 persons) than Black/African Americans (11.7). However for hospitalizations due to RA/related diseases, the age-adjusted rate is statistically higher among Black/African Americans (1.1) than Whites (0.8).

The rate of hospitalizations is statistically higher among females than males for both OA (19.3 versus 15.0) and RA/related diseases (1.1 versus 0.5).

There is a statistically significant increase in the rate of hospitalizations with increasing age for both OA and RA/related diseases (Figure 2).

Total days of care from OA hospitalizations were higher than RA/related diseases (519,988 versus 26,715). Hospitalizations from OA led to over 2.3 billion dollars in total charges, where as RA/related diseases led to over 79 million dollars in total charges.

The hospitalization rate for both OA and RA/related diseases was highest among Medicare patients compared to other payer groups (Figure 3).



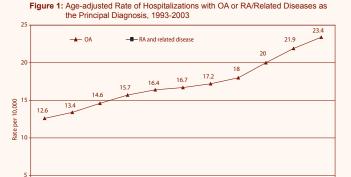


Figure 2: Age-adjusted Rate of Hospitalizations with OA or RA/Related Diseases as the Principal Diagnosis by Age of Patient, 1993-2003

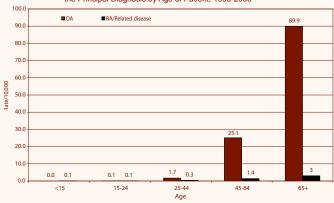
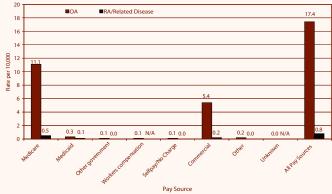


Figure 3: Age-adjusted Rate of Hospitalizations with OA or RA/Related Diseases as the Principal Diagnosis by Pay Source, 1993-2003



1993-2003 Patient Abstract System. Bureau of Health Informatics. Division of Community and Public Health, Missouri Department of Health and Senior Services. All rates are age-adjusted to the 2000 standard population, unless otherwise stated. All hospitalization rates are per 10,000 persons based on the principal diagnosis. This publication was supported by CDC Grant/Cooperative Agreement Number 03022, Missouri Arthritis & Osteoporosis Program and Behavioral Risk Factor Surveillance Project, Cooperative Agreement Number u58/CCU722795-03. Its contents are solely the responsibility of the authors and do not necessarily represent the official views of CDC.

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